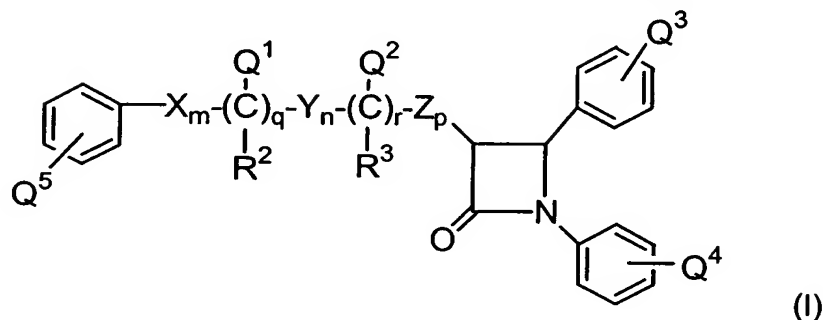


THEREFORE, WE CLAIM:

1. A compound represented by the structural formula (I):



- 5 or pharmaceutically acceptable isomers, salts, solvates or esters of the compound of Formula (I),

wherein in Formula (I) above:

X, Y and Z can be the same or different and each is independently selected from the group consisting of $-\text{CH}_2-$, $-\text{CH}(\text{alkyl})-$ and $-\text{C}(\text{alkyl})_2-$;

- 10 Q^1 and Q^2 can be the same or different and each is independently selected from the group consisting of H, $-(\text{C}_0-\text{C}_{30} \text{ alkylene})-\text{G}$, $-\text{OR}^6$, $-\text{OC}(\text{O})\text{R}^6$, $-\text{OC}(\text{O})\text{OR}^9$, $-\text{OC}(\text{O})\text{NR}^6\text{R}^7$, and $-\text{L}-\text{M}$;

- 15 Q^3 is 1 to 5 substituents independently selected from the group consisting of alkyl, alkenyl, alkynyl, $-(\text{C}_0-\text{C}_{30} \text{ alkylene})-\text{G}$, $-(\text{C}_0-\text{C}_{10} \text{ alkylene})-\text{OR}^6$, $-(\text{C}_0-\text{C}_{10} \text{ alkylene})-\text{C}(\text{O})\text{R}^6$, $-(\text{C}_0-\text{C}_{10} \text{ alkylene})-\text{C}(\text{O})\text{OR}^6$, $-(\text{C}_0-\text{C}_{10} \text{ alkylene})-\text{OC}(\text{O})\text{R}^6$, $-(\text{C}_0-\text{C}_{10} \text{ alkylene})-\text{OC}(\text{O})\text{OR}^9$, $-\text{CH}=\text{CH}-\text{C}(\text{O})\text{R}^6$, $-\text{CH}=\text{CH}-\text{C}(\text{O})\text{OR}^6$, $-\text{C}\equiv\text{C}-\text{C}(\text{O})\text{OR}^6$, $-\text{C}\equiv\text{C}-\text{C}(\text{O})\text{R}^6$, $-\text{O}-(\text{C}_1-\text{C}_{10} \text{ alkylene})-\text{OR}^6$, $-\text{O}-(\text{C}_1-\text{C}_{10} \text{ alkylene})-\text{C}(\text{O})\text{R}^6$, $-\text{O}-(\text{C}_1-\text{C}_{10} \text{ alkylene})-\text{C}(\text{O})\text{OR}^6$, $-\text{CN}$, $-\text{O}-(\text{C}_1-\text{C}_{10} \text{ alkylene})-\text{C}(\text{O})\text{NR}^6\text{R}^7$, $-\text{O}-(\text{C}_0-\text{C}_{10} \text{ alkylene})-\text{C}(\text{O})\text{NR}^6\text{NR}^7\text{C}(\text{O})\text{OR}^6$, $-\text{O}-(\text{C}_1-\text{C}_{10} \text{ alkylene})-\text{C}(\text{O})(\text{aryl})-\text{N}-\text{N}=\text{N}^-$, $-\text{OC}(\text{O})-(\text{C}_1-\text{C}_{10} \text{ alkylene})-\text{C}(\text{O})\text{OR}^6$, $-(\text{C}_0-\text{C}_{10} \text{ alkylene})-\text{C}(\text{O})\text{NR}^6\text{R}^7$, $-(\text{C}_0-\text{C}_{10} \text{ alkylene})-\text{OC}(\text{O})\text{NR}^6\text{R}^7$, $-\text{NO}_2$, $-(\text{C}_0-\text{C}_{10} \text{ alkylene})-\text{NR}^6\text{R}^7$, $-\text{O}-(\text{C}_2-\text{C}_{10} \text{ alkylene})-\text{NR}^6\text{R}^7$, $-\text{NR}^6\text{C}(\text{O})\text{R}^7$, $-\text{NR}^6\text{C}(\text{O})\text{OR}^9$, $-\text{NR}^6\text{C}(\text{O})\text{NR}^7\text{R}^8$, $-\text{NR}^6\text{S}(\text{O})_{0-2}\text{R}^9$, $-\text{N}(\text{S}(\text{O})_{0-2}\text{R}^9)_2$, $-\text{CHNOR}^6$, $-\text{C}(\text{O})\text{NR}^6\text{R}^7$, $-\text{C}(\text{O})\text{NR}^6\text{NR}^6\text{R}^7$, $-\text{S}(\text{O})_{0-2}\text{NR}^6\text{R}^7$, $-\text{S}(\text{O})_{0-2}\text{R}^9$, $-\text{O}-\text{C}(\text{O})-(\text{C}_1-\text{C}_{10} \text{ alkylene})-\text{C}(\text{O})\text{NR}^6\text{R}^7$, $-\text{OC}(\text{O})-(\text{C}_1-\text{C}_{10} \text{ alkylene})-\text{NR}^6\text{C}(\text{O})\text{O}-(\text{alkylaryl})$, $-\text{P}(\text{O})(\text{OR}^{10})_2$,
- 20
- 25

-(C₁-C₁₀ alkylene)-OSi(alkyl)₃, -CF₃, -OCF₃, halo, alkoxyalkoxy, alkoxyalkoxyalkoxy, alkoxyalkoxyalkoxy, alkoxyaryloxy, alkoxyiminoalkyl, alkyldioyl, allyloxy, aryl, arylalkyl, aryloxy, arylalkoxy, aroyl, aroyloxy, aroylaroyloxy, arylalkoxycarbonyl, benzoylbenzoyloxy, heteroaryl, heteroarylalkyl, heteroarylalkoxy, dioxolanyl, heterocyclyl, heterocyclylalkyl, heterocyclylcarbonyl, heterocyclylcarbonylalkoxy and -L-M;

Q⁴ is 1 to 5 substituents independently selected from the group consisting of alkyl, alkenyl, alkynyl, -(C₀-C₃₀ alkylene)-G, -(C₀-C₁₀ alkylene)-OR⁶, -(C₀-C₁₀ alkylene)-C(O)R⁶, -(C₀-C₁₀ alkylene)-C(O)OR⁶, -(C₀-C₁₀ alkylene)-OC(O)R⁶, -(C₀-C₁₀ alkylene)-OC(O)OR⁹, -CH=CH-C(O)R⁶, -CH=CH-C(O)OR⁶, -C≡C-C(O)OR⁶, -C≡C-C(O)R⁶, -O-(C₁-C₁₀ alkylene)-OR⁶, -O-(C₁-C₁₀ alkylene)-C(O)R⁶, -O-(C₁-C₁₀ alkylene)-C(O)OR⁶, -CN, -O-(C₁-C₁₀ alkylene)-C(O)NR⁶R⁷, -O-(C₀-C₁₀ alkylene)-C(O)NR⁶NR⁷C(O)OR⁶, -O-(C₁-C₁₀ alkylene)-C(O)(aryl)-N=N=N⁻, -OC(O)-(C₁-C₁₀ alkylene)-C(O)OR⁶, -(C₀-C₁₀ alkylene)-C(O)NR⁶R⁷, -(C₀-C₁₀ alkylene)-OC(O)NR⁶R⁷, -NO₂, -(C₀-C₁₀ alkylene)-NR⁶R⁷, -O-(C₂-C₁₀ alkylene)-NR⁶R⁷, -NR⁶C(O)R⁷, -NR⁶C(O)OR⁹, -NR⁶C(O)NR⁷R⁸, -NR⁶S(O)₀₋₂R⁹, -N(S(O)₀₋₂R⁹)₂, -CHNOR⁶, -C(O)NR⁶R⁷, -C(O)NR⁶NR⁶R⁷, -S(O)₀₋₂NR⁶R⁷, -S(O)₀₋₂R⁹, -O-C(O)-(C₁-C₁₀ alkylene)-C(O)NR⁶R⁷, -OC(O)-(C₁-C₁₀ alkylene)-NR⁶C(O)O-(alkylaryl), -P(O)(OR¹⁰)₂, -(C₁-C₁₀ alkylene)-OSi(alkyl)₃, -CF₃, -OCF₃, halo, alkoxyalkoxy, alkoxyalkoxyalkoxy, alkoxyalkoxyalkoxy, alkoxyaryloxy, alkoxyiminoalkyl, alkyldioyl, allyloxy, aryl, arylalkyl, aryloxy, arylalkoxy, aroyl, aroyloxy, aroylaroyloxy, arylalkoxycarbonyl, benzoylbenzoyloxy, heteroaryl, heteroarylalkyl, heteroarylalkoxy, dioxolanyl, heterocyclyl, heterocyclylalkyl, heterocyclylcarbonyl, heterocyclylcarbonylalkoxy and -L-M;

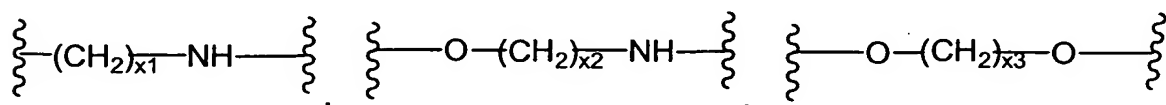
Q⁵ is 1 to 5 substituents independently selected from the group consisting of alkyl, alkenyl, alkynyl, -(C₀-C₃₀ alkylene)-G, -(C₀-C₁₀ alkylene)-OR⁶, -(C₀-C₁₀ alkylene)-C(O)R⁶, -(C₀-C₁₀ alkylene)-C(O)OR⁶, -(C₀-C₁₀ alkylene)-OC(O)R⁶,

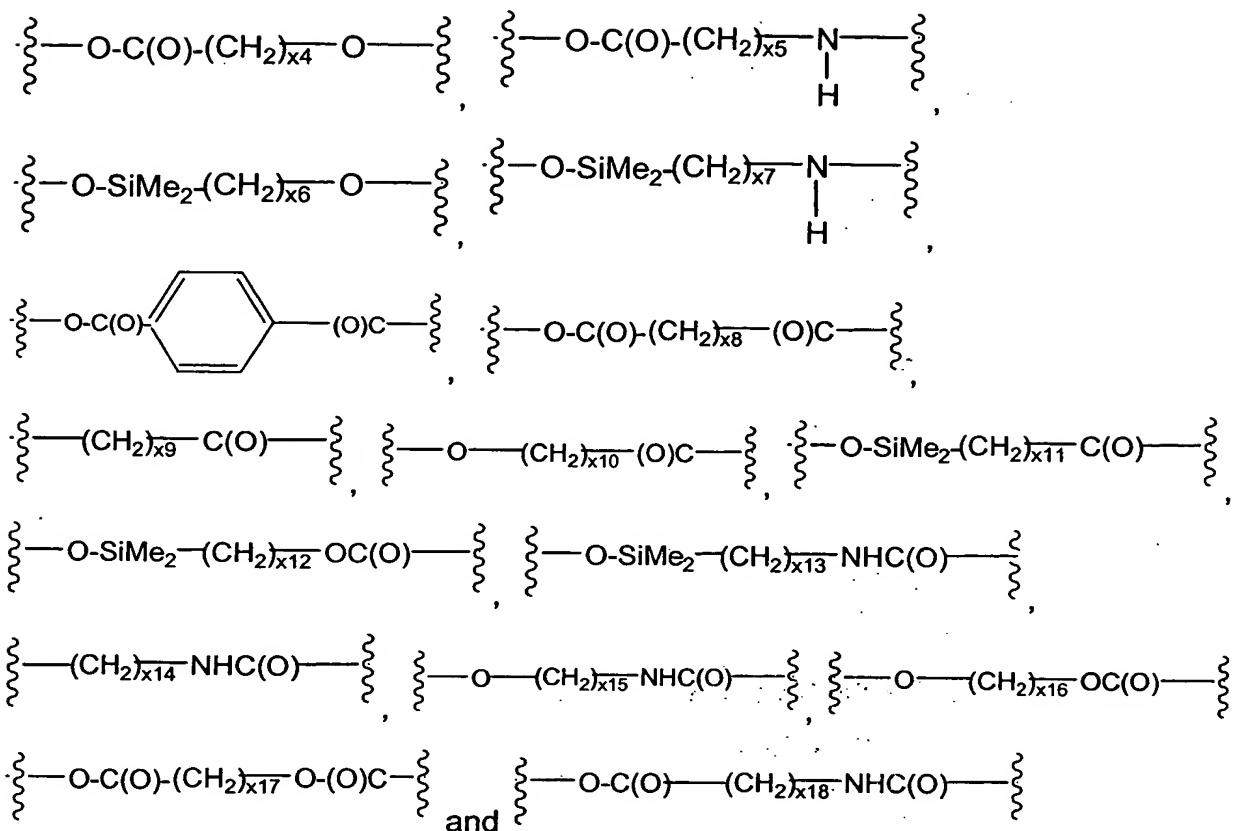
$-(C_0-C_{10} \text{ alkylene})-OC(O)OR^9$, $-CH=CH-C(O)R^6$, $-CH=CH-C(O)OR^6$,
 $-C\equiv C-C(O)OR^6$, $-C\equiv C-C(O)R^6$, $-O-(C_1-C_{10} \text{ alkylene})-OR^6$,
 $-O-(C_1-C_{10} \text{ alkylene})-C(O)R^6$, $-O-(C_1-C_{10} \text{ alkylene})-C(O)OR^6$, $-CN$,
 $-O-(C_1-C_{10} \text{ alkylene})-C(O)NR^6R^7$, $-O-(C_0-C_{10} \text{ alkylene})-C(O)NR^6NR^7C(O)OR^6$,
5 $-O-(C_1-C_{10} \text{ alkylene})-C(O)(\text{aryl})-N=N=N$, $-OC(O)-(C_1-C_{10} \text{ alkylene})-C(O)OR^6$,
 $-(C_0-C_{10} \text{ alkylene})-C(O)NR^6R^7$, $-(C_0-C_{10} \text{ alkylene})-OC(O)NR^6R^7$, $-NO_2$,
 $-(C_0-C_{10} \text{ alkylene})-NR^6R^7$, $-O-(C_2-C_{10} \text{ alkylene})-NR^6R^7$, $-NR^6C(O)R^7$, $-NR^6C(O)OR^9$,
 $-NR^6C(O)NR^7R^8$, $-NR^6S(O)_{0-2}R^9$, $-N(S(O)_{0-2}R^9)_2$, $-CHNOR^6$, $-C(O)NR^6R^7$,
 $-C(O)NR^6NR^6R^7$, $-S(O)_{0-2}NR^6R^7$, $-S(O)_{0-2}R^9$, $-O-C(O)-(C_1-C_{10} \text{ alkylene})-C(O)NR^6R^7$,
10 $-OC(O)-(C_1-C_{10} \text{ alkylene})-NR^6C(O)O-(\text{alkylaryl})$, $-P(O)(OR^{10})_2$,
 $-(C_1-C_{10} \text{ alkylene})-OSi(\text{alkyl})_3$, $-CF_3$, $-OCF_3$, halo, alkoxyalkoxy, alkoxyalkoxyalkoxy,
alkoxycarbonylalkoxy, alkoxyarylalkoxy, alkoxyiminoalkyl, alkylidioyl, allyloxy, aryl,
arylalkyl, aryloxy, arylalkoxy, aroyl, aroyloxy, aroylaroyloxy, arylalkoxycarbonyl,
benzoylbenzoyloxy, heteroaryl, heteroarylalkyl, heteroarylalkoxy, dioxolanyl,
15 heterocyclyl, heterocyclylalkyl, heterocyclylcarbonyl, heterocyclylcarbonylalkoxy and
-L-M;

wherein optionally one or more carbon atoms of the $-(C_0-C_{30} \text{ alkylene})$ - radical
of Q^1 , Q^2 , Q^3 , Q^4 and Q^5 is independently replaced by $-O-$, $-C(O)-$, $-CH=CH-$,
 $-C\equiv C-$, $-N(\text{alkyl})-$, $-N(\text{alkylaryl})-$ or $-NH-$;

20 G is selected from the group consisting of a sugar residue, disugar residue,
trisugar residue, tetrasugar residue, sugar acid, amino sugar, amino acid residue,
oligopeptide residue comprising 2 to 9 amino acids, trialkylammoniumalkyl radical and
 $-S(O)_2-OH$, wherein optionally the sugar residue, disugar residue, trisugar residue,
tetrasugar residue, sugar acid, amino sugar, amino acid residue or oligopeptide
25 residue of G is substituted with -L-M;

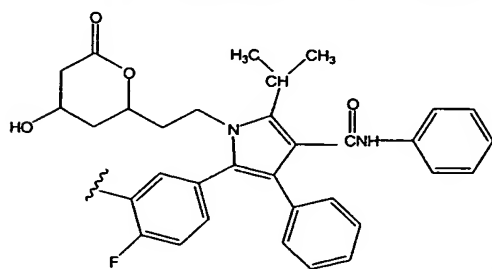
L is selected from the group consisting of



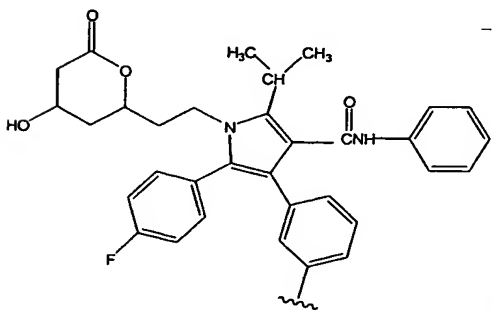


wherein Me is methyl;

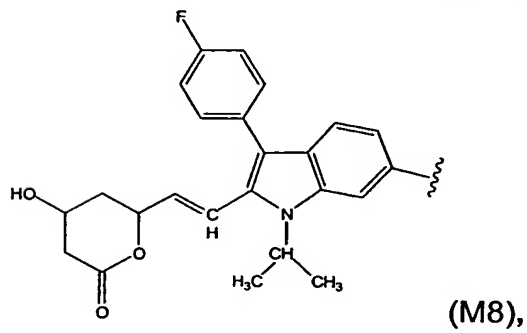
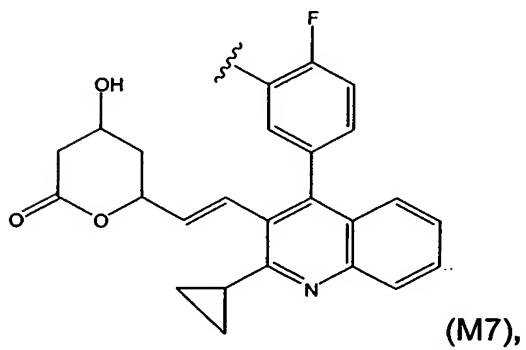
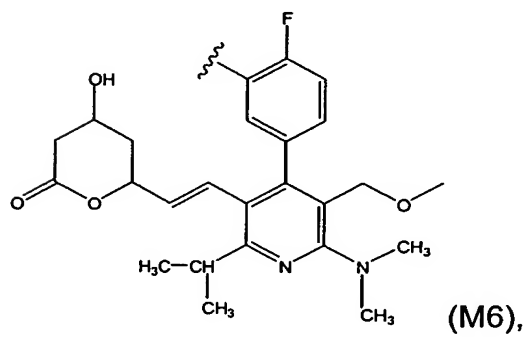
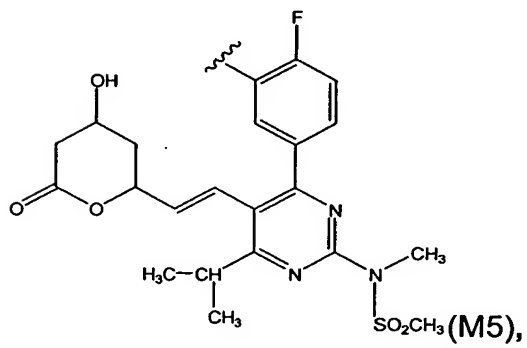
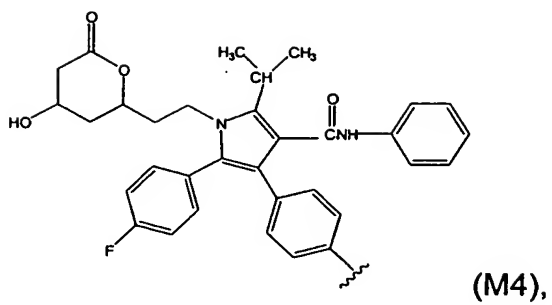
M is selected from the group of moieties consisting of

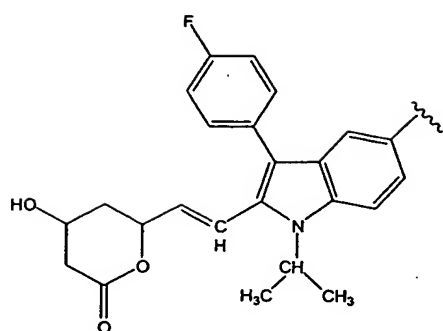


(M1),

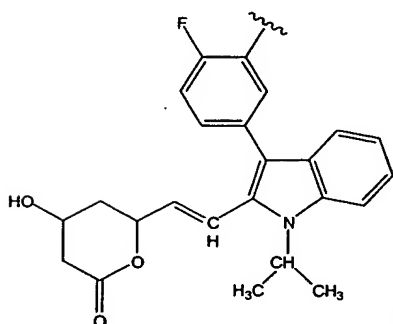


(M3),





(M9), and



(M10),

pharmaceutically acceptable salts of the moieties (M1) and (M3) to (M10) and free acids of the moieties (M1) and (M3) to (M10);

5

R^2 and R^3 can be the same or different and each is independently selected from the group consisting of hydrogen, alkyl and aryl;

R^6 , R^7 and R^8 can be the same or different and each is independently selected from the group consisting of hydrogen, alkyl, aryl and arylalkyl; and

10

each R^9 is independently alkyl, aryl or arylalkyl.

each R^{10} is independently H or alkyl;

q is 0 or 1;

r is 0 or 1;

15

m, n and p are independently selected from 0, 1, 2, 3 or 4; provided that at least one of q and r is 1, and the sum of m, n, p, q and r is 1, 2, 3, 4, 5 or 6; and provided that when p is 0 and r is 1, the sum of m, q and n is 1, 2, 3, 4 or 5;

x1 is 1 to 10;

x2 is 1 to 10;

x3 is 1 to 10;

20

x4 is 1 to 10;

x5 is 1 to 10;

x6 is 1 to 10;

x7 is 1 to 10;

x8 is 1 to 10;

x9 is 1 to 10;

5 x10 is 1 to 10;

x11 is 1 to 10;

x12 is 1 to 10;

x13 is 1 to 10;

x14 is 1 to 10;

10 x15 is 1 to 10; and

x16 is 1 to 10;

x17 is 1 to 10; and

x18 is 1 to 10;

15 with the proviso that at least one of Q^1 , Q^2 , Q^3 , Q^4 and Q^5 is -L-M or the sugar residue, disugar residue, trisugar residue, tetrasugar residue, sugar acid, amino sugar, amino acid residue or oligopeptide residue of G is substituted with -L-M.

2. The compound according to claim 1, wherein m, n and r are each zero, q
20 is 1, p is 2, and Z is $-\text{CH}_2-$.

3. The compound according to claim 1, wherein m, n and r are each zero, q
is 1, p is 2, and Z is $-\text{CH}_2-$, Q^1 is $-\text{OR}^6$, wherein R^6 is hydrogen and Q^5 is fluorine.

25 4. The compound according to claim 1, wherein R^2 and R^3 are each preferably hydrogen.

5. The compound according to claim 1, wherein Q^1 and Q^2 are each
independently selected from the group consisting of $-\text{OR}^6$, $-\text{O}(\text{CO})\text{R}^6$, $-\text{O}(\text{CO})\text{OR}^9$ and
30 $-\text{O}(\text{CO})\text{NR}^6\text{R}^7$.

6. The compound according to claim 1, wherein Q⁴ is halo or -OR⁶.
7. The compound according to claim 1, wherein Q¹ is -OR⁶ wherein R⁶ is

H.

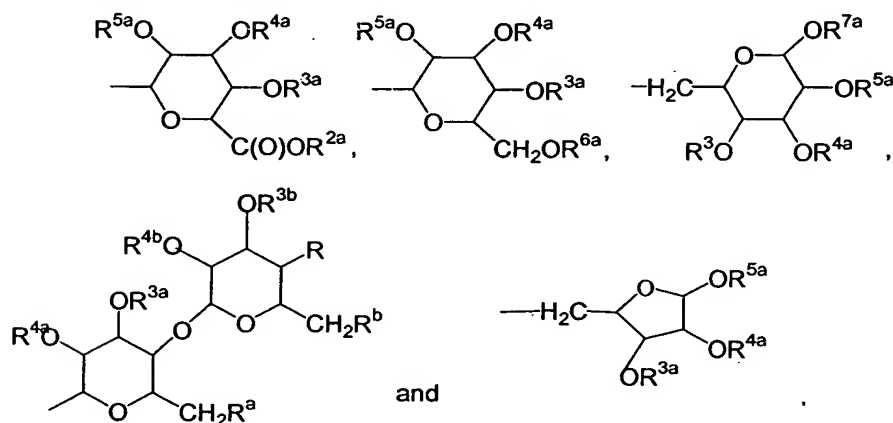
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8. The compound according to claim 1, wherein Q¹, Q², Q³, Q⁴ or Q⁵ is—L—

9. The compound according to claim 1, wherein Q¹, Q², Q³, Q⁴ or Q⁵ is -(C₀-C₃₀ alkylene)-G.

10

10. The compound according to claim 1, wherein G is selected from the group consisting of:



wherein R, R^a and R^b can be the same or different and each is independently selected from the group consisting of H, -OH, halo, -NH₂, azido, alkoxyalkoxy or -W-
R³⁰.

W is independently selected from the group consisting of -NH-C(O)-, -O-C(O)-, -O-C(O)-N(R³¹)-, -NH-C(O)-N(R³¹)- and -O-C(S)-N(R³¹)-;

R^{2a} and R^{6a} can be the same or different and each is independently selected from the group consisting of H, alkyl, acetyl, aryl and arylalkyl;

R^{3a}, R^{4a}, R^{5a}, R^{7a}, R^{3b} and R^{4b} can be the same or different and each is independently selected from the group consisting of H, alkyl, acetyl, arylalkyl, -C(O)alkyl and -C(O)aryl;

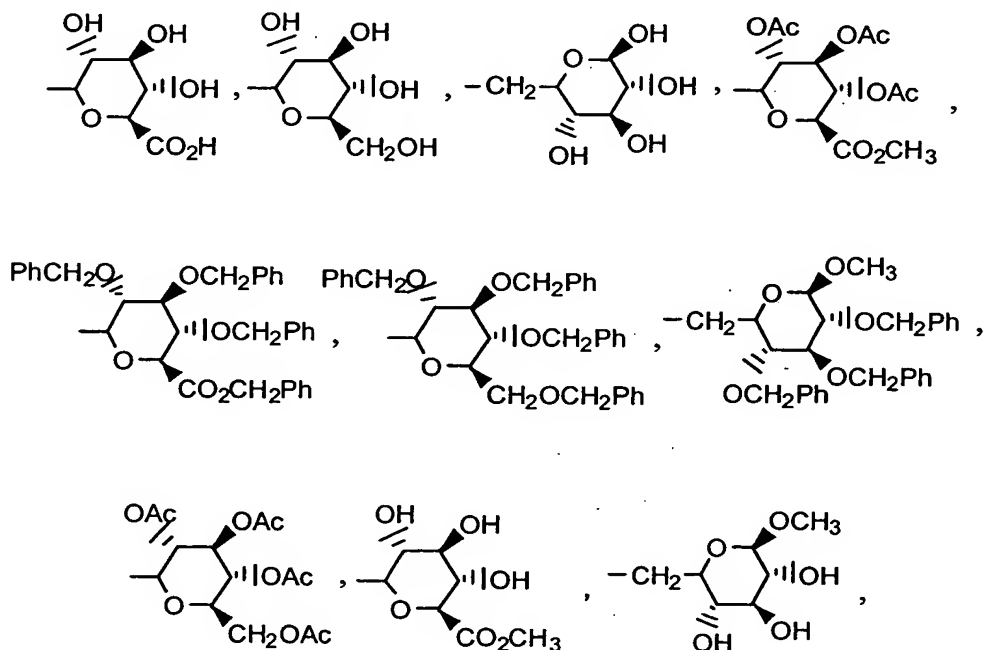
R³⁰ is independently selected from the group consisting of R³²-substituted T, R³²-substituted-T-alkyl, R³²-substituted-alkenyl, R³²-substituted-alkyl, R³²-substituted-cycloalkyl and R³²-substituted-cycloalkylalkyl;

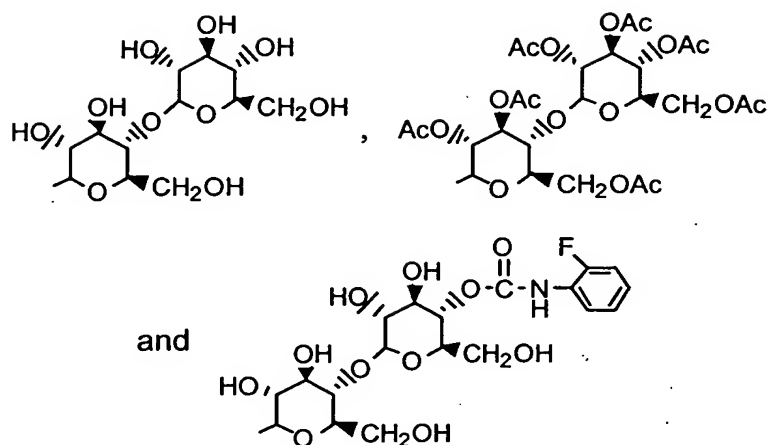
R³¹ is independently selected from the group consisting of H and alkyl;

5 T is independently selected from the group consisting of phenyl, furyl, thienyl, pyrrolyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, benzothiazolyl, thiadiazolyl, pyrazolyl, imidazolyl and pyridyl;

R³² is 1 to 3 substituents which are each independently selected from the group consisting of H, halo, alkyl, -OH, phenoxy, -CF₃, -NO₂, alkoxy, methylenedioxy, 10 oxo, alkylsulfanyl, alkylsulfinyl, alkylsulfonyl, -N(CH₃)₂, -C(O)-NHalkyl, -C(O)-N(alkyl)₂, -C(O)-alkyl, -C(O)-alkoxy and pyrrolidinylcarbonyl; or R³² is a covalent bond and R³¹, the nitrogen to which it is attached and R³² form a pyrrolidinyl, piperidinyl, N-methyl-piperazinyl, indolyl or morpholyl group, or a alkoxy-carbonyl-substituted pyrrolidinyl, piperidinyl, N-methylpiperazinyl, indolyl or morpholyl group.

15 11. The compound according to claim 10, wherein G is selected from:

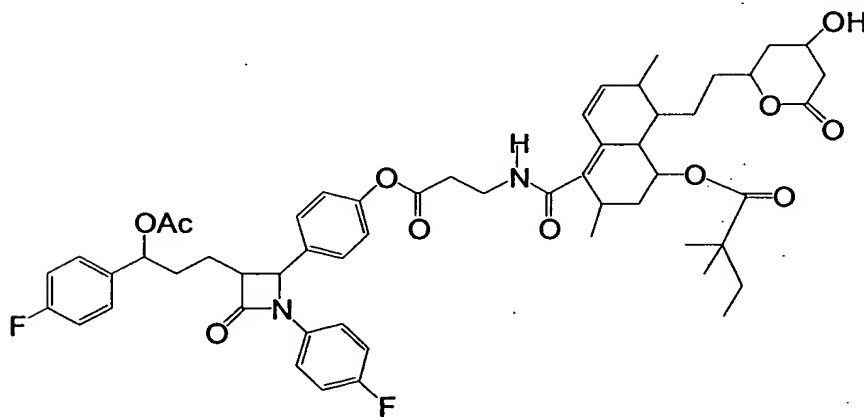




wherein Ac is acetyl and Ph is phenyl.

12. The compound according to claim 1, wherein optionally one or more carbon atoms of the $-(C_0-C_{30} \text{ alkylene})-$ radical of Q^1 , Q^2 , Q^3 , Q^4 and Q^5 is independently replaced by $-O-$

13. The compound according to claim 1, which is



10

14. A pharmaceutical composition for the treatment or prevention of a vascular condition, diabetes, obesity, stroke, lowering a concentration of a sterol or stanol in plasma of a mammal, preventing demyelination or treating Alzheimer's disease and/or regulating levels of amyloid β peptides in a subject comprising a therapeutically effective amount of a compound of claim 1 in a pharmaceutically acceptable carrier.

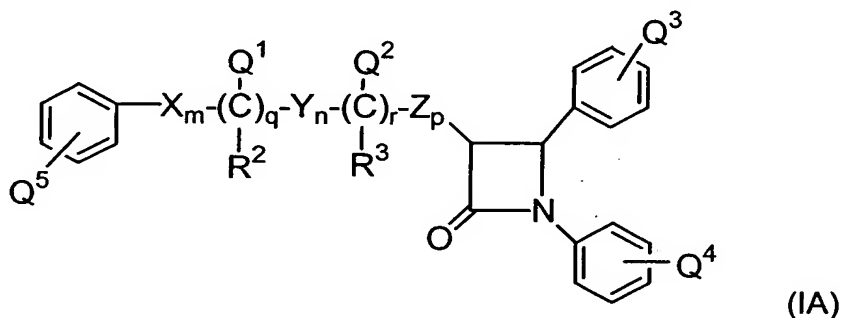
15

15. A pharmaceutical composition comprising a cholesterol-lowering effective amount of a compound of claim 1 in a pharmaceutically acceptable carrier.

16. A method of treating or preventing a vascular condition, diabetes, obesity, stroke, lowering a concentration of a sterol or stanol in plasma of a mammal, preventing demyelination or treating Alzheimer's disease or regulating a level of an amyloid β peptide in a subject comprising the step of administering to a subject in need of such treatment an effective amount of a compound of claim 1.

17. A method of lowering cholesterol level in plasma of a mammal in need of such treatment comprising administering a pharmaceutically effective amount of the compound of claim 1.

18. A compound represented by the structural formula (IA):



or pharmaceutically acceptable isomers, salts, solvates or esters of the compound of Formula (IA),

wherein in Formula (IA) above:

X, Y and Z can be the same or different and each is independently selected from the group consisting of $-\text{CH}_2-$, $-\text{CH}(\text{alkyl})-$ and $-\text{C}(\text{alkyl})_2-$;

Q^1 and Q^2 can be the same or different and each is independently selected from the group consisting of H, $-(\text{C}_0\text{-C}_{30} \text{ alkylene})\text{-G}$, $-\text{OR}^6$, $-\text{OC}(\text{O})\text{R}^6$, $-\text{OC}(\text{O})\text{OR}^9$, $-\text{OC}(\text{O})\text{NR}^6\text{R}^7$, and $-\text{L-M}$;

Q^3 is 1 to 5 substituents independently selected from the group consisting of alkyl, alkenyl, alkynyl, $-(\text{C}_0\text{-C}_{30} \text{ alkylene})\text{-G}$, $-(\text{C}_0\text{-C}_{10} \text{ alkylene})\text{-OR}^6$,

- $-(C_0-C_{10} \text{ alkylene})-C(O)R^6$, $-(C_0-C_{10} \text{ alkylene})-C(O)OR^6$, $-(C_0-C_{10} \text{ alkylene})-OC(O)R^6$,
 $-(C_0-C_{10} \text{ alkylene})-OC(O)OR^9$, $-CH=CH-C(O)R^6$, $-CH=CH-C(O)OR^6$,
 $-C\equiv C-C(O)OR^6$, $-C\equiv C-C(O)R^6$, $-O-(C_1-C_{10} \text{ alkylene})-OR^6$,
 $-O-(C_1-C_{10} \text{ alkylene})-C(O)R^6$, $-O-(C_1-C_{10} \text{ alkylene})-C(O)OR^6$, $-CN$,
5 $-O-(C_1-C_{10} \text{ alkylene})-C(O)NR^6R^7$, $-O-(C_0-C_{10} \text{ alkylene})-C(O)NR^6NR^7C(O)OR^6$,
 $-O-(C_1-C_{10} \text{ alkylene})-C(O)(\text{aryl})-N=N=N$, $-OC(O)-(C_1-C_{10} \text{ alkylene})-C(O)OR^6$,
 $-(C_0-C_{10} \text{ alkylene})-C(O)NR^6R^7$, $-(C_0-C_{10} \text{ alkylene})-OC(O)NR^6R^7$, $-NO_2$,
 $-(C_0-C_{10} \text{ alkylene})-NR^6R^7$, $-O-(C_2-C_{10} \text{ alkylene})-NR^6R^7$, $-NR^6C(O)R^7$, $-NR^6C(O)OR^9$,
 $-NR^6C(O)NR^7R^8$, $-NR^6S(O)_{0-2}R^9$, $-N(S(O)_{0-2}R^9)_2$, $-CHNOR^6$, $-C(O)NR^6R^7$,
10 $-C(O)NR^6NR^6R^7$, $-S(O)_{0-2}NR^6R^7$, $-S(O)_{0-2}R^9$, $-O-C(O)-(C_1-C_{10} \text{ alkylene})-C(O)NR^6R^7$,
 $-OC(O)-(C_1-C_{10} \text{ alkylene})-NR^6C(O)O-(\text{alkylaryl})$, $-P(O)(OR^{10})_2$,
 $-(C_1-C_{10} \text{ alkylene})-OSi(\text{alkyl})_3$, $-CF_3$, $-OCF_3$, halo, alkoxyalkoxy, alkoxyalkoxyalkoxy,
alkoxycarbonylalkoxy, alkoxyarylalkoxy, alkoxyiminoalkyl, alkylidioyl, allyloxy, aryl,
arylalkyl, aryloxy, arylalkoxy, aroyl, aroyloxy, aroylaroyloxy, arylalkoxycarbonyl,
15 benzoylbenzoyloxy, heteroaryl, heteroarylalkyl, heteroarylalkoxy, dioxolanyl,
heterocyclyl, heterocyclylalkyl, heterocyclylcarbonyl, heterocyclylcarbonylalkoxy and
-L-M;

- Q^4 is 1 to 5 substituents independently selected from the group consisting of
alkyl, alkenyl, alkynyl, $-(C_0-C_{30} \text{ alkylene})-G$, $-(C_0-C_{10} \text{ alkylene})-OR^6$,
20 $-(C_0-C_{10} \text{ alkylene})-C(O)R^6$, $-(C_0-C_{10} \text{ alkylene})-C(O)OR^6$, $-(C_0-C_{10} \text{ alkylene})-OC(O)R^6$,
 $-(C_0-C_{10} \text{ alkylene})-OC(O)OR^9$, $-CH=CH-C(O)R^6$, $-CH=CH-C(O)OR^6$,
 $-C\equiv C-C(O)OR^6$, $-C\equiv C-C(O)R^6$, $-O-(C_1-C_{10} \text{ alkylene})-OR^6$,
 $-O-(C_1-C_{10} \text{ alkylene})-C(O)R^6$, $-O-(C_1-C_{10} \text{ alkylene})-C(O)OR^6$, $-CN$,
 $-O-(C_1-C_{10} \text{ alkylene})-C(O)NR^6R^7$, $-O-(C_0-C_{10} \text{ alkylene})-C(O)NR^6NR^7C(O)OR^6$,
25 $-O-(C_1-C_{10} \text{ alkylene})-C(O)(\text{aryl})-N=N=N$, $-OC(O)-(C_1-C_{10} \text{ alkylene})-C(O)OR^6$,
 $-(C_0-C_{10} \text{ alkylene})-C(O)NR^6R^7$, $-(C_0-C_{10} \text{ alkylene})-OC(O)NR^6R^7$, $-NO_2$,
 $-(C_0-C_{10} \text{ alkylene})-NR^6R^7$, $-O-(C_2-C_{10} \text{ alkylene})-NR^6R^7$, $-NR^6C(O)R^7$, $-NR^6C(O)OR^9$,
 $-NR^6C(O)NR^7R^8$, $-NR^6S(O)_{0-2}R^9$, $-N(S(O)_{0-2}R^9)_2$, $-CHNOR^6$, $-C(O)NR^6R^7$,
 $-C(O)NR^6NR^6R^7$, $-S(O)_{0-2}NR^6R^7$, $-S(O)_{0-2}R^9$, $-O-C(O)-(C_1-C_{10} \text{ alkylene})-C(O)NR^6R^7$,

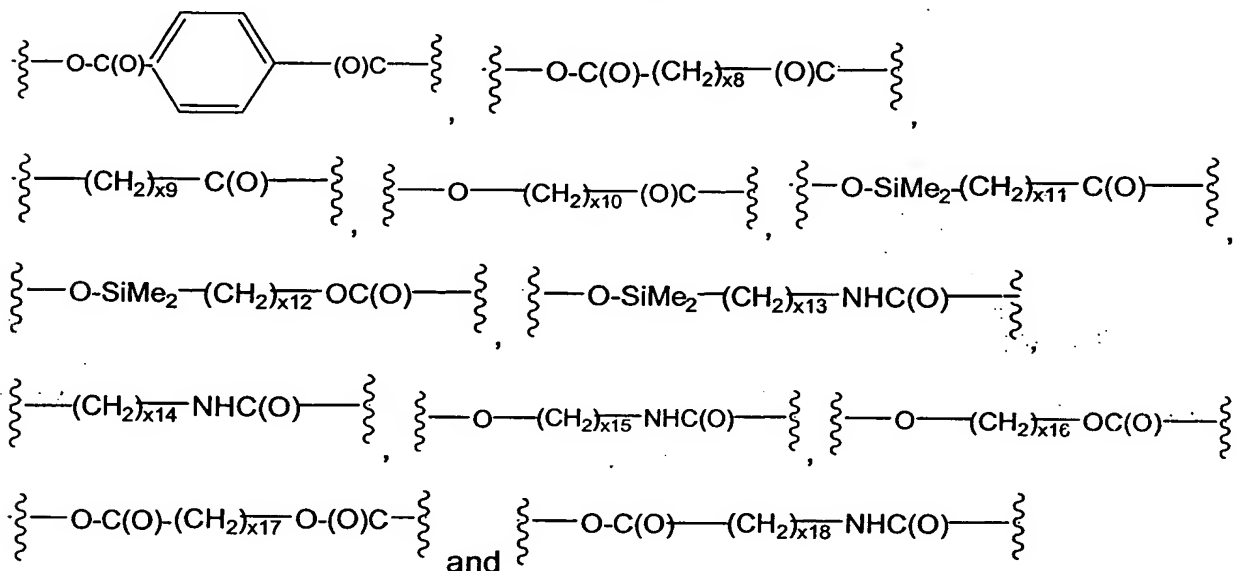
-OC(O)-(C₁-C₁₀ alkylene)-NR⁶C(O)O-(alkylaryl), -P(O)(OR¹⁰)₂,
 -(C₁-C₁₀ alkylene)-OSi(alkyl)₃, -CF₃, -OCF₃, halo, alkoxyalkoxy, alkoxyalkoxyalkoxy,
 alkoxyacylalkoxy, alkoxyarylalkoxy, alkoxyiminoalkyl, alkylidoyl, allyloxy, aryl,
 arylalkyl, aryloxy, arylalkoxy, aroyl, aroyloxy, aroylaroyloxy, arylalkoxycarbonyl,
 5 benzoylbenzoyloxy, heteroaryl, heteroarylalkyl, heteroarylalkoxy, dioxolanyl,
 heterocyclyl, heterocyclylalkyl, heterocyclylcarbonyl, heterocyclylcarbonylalkoxy and
 -L-M;

Q⁵ is 1 to 5 substituents independently selected from the group consisting of
 alkyl, alkenyl, alkynyl, -(C₀-C₃₀ alkylene)-G, -(C₀-C₁₀ alkylene)-OR⁶,
 10 -(C₀-C₁₀ alkylene)-C(O)R⁶, -(C₀-C₁₀ alkylene)-C(O)OR⁶, -(C₀-C₁₀ alkylene)-OC(O)R⁶,
 -(C₀-C₁₀ alkylene)-OC(O)OR⁹, -CH=CH-C(O)R⁶, -CH=CH-C(O)OR⁶,
 -C≡C-C(O)OR⁶, -C≡C-C(O)R⁶, -O-(C₁-C₁₀ alkylene)-OR⁶,
 -O-(C₁-C₁₀ alkylene)-C(O)R⁶, -O-(C₁-C₁₀ alkylene)-C(O)OR⁶, -CN,
 -O-(C₁-C₁₀ alkylene)-C(O)NR⁶R⁷, -O-(C₀-C₁₀ alkylene)-C(O)NR⁶NR⁷C(O)OR⁶,
 15 -O-(C₁-C₁₀ alkylene)-C(O)(aryl)-N=N=N, -OC(O)-(C₁-C₁₀ alkylene)-C(O)OR⁶,
 -(C₀-C₁₀ alkylene)-C(O)NR⁶R⁷, -(C₀-C₁₀ alkylene)-OC(O)NR⁶R⁷, -NO₂,
 -(C₀-C₁₀ alkylene)-NR⁶R⁷, -O-(C₂-C₁₀ alkylene)-NR⁶R⁷, -NR⁶C(O)R⁷, -NR⁶C(O)OR⁹,
 -NR⁶C(O)NR⁷R⁸, -NR⁶S(O)₀₋₂R⁹, -N(S(O)₀₋₂R⁹)₂, -CHNOR⁶, -C(O)NR⁶R⁷,
 -C(O)NR⁶NR⁶R⁷, -S(O)₀₋₂NR⁶R⁷, -S(O)₀₋₂R⁹, -O-C(O)-(C₁-C₁₀ alkylene)-C(O)NR⁶R⁷,
 20 -OC(O)-(C₁-C₁₀ alkylene)-NR⁶C(O)O-(alkylaryl), -P(O)(OR¹⁰)₂,
 -(C₁-C₁₀ alkylene)-OSi(alkyl)₃, -CF₃, -OCF₃, halo, alkoxyalkoxy, alkoxyalkoxyalkoxy,
 alkoxyacylalkoxy, alkoxyarylalkoxy, alkoxyiminoalkyl, alkylidoyl, allyloxy, aryl,
 arylalkyl, aryloxy, arylalkoxy, aroyl, aroyloxy, aroylaroyloxy, arylalkoxycarbonyl,
 benzoylbenzoyloxy, heteroaryl, heteroarylalkyl, heteroarylalkoxy, dioxolanyl,
 25 heterocyclyl, heterocyclylalkyl, heterocyclylcarbonyl, heterocyclylcarbonylalkoxy and
 -L-M;

wherein optionally one or more carbon atoms of the -(C₀-C₃₀ alkylene)- radical
 of Q¹, Q², Q³, Q⁴ and Q⁵ is independently replaced by -O-, -C(O)-, -CH=CH-,
 -C≡C-, -N(alkyl)-, -N(alkylaryl)- or -NH-;

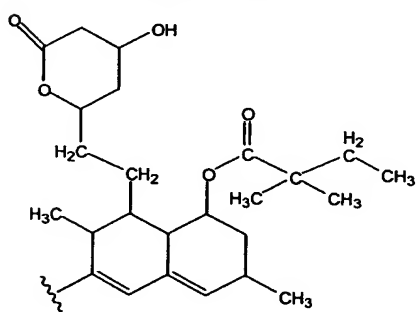
G is selected from the group consisting of a sugar residue, disugar residue, trisugar residue, tetrasugar residue, sugar acid, amino sugar, amino acid residue, oligopeptide residue comprising 2 to 9 amino acids, trialkylammoniumalkyl radical and $-S(O)_2-OH$, wherein optionally the sugar residue, disugar residue, trisugar residue, tetrasugar residue, sugar acid, amino sugar, amino acid residue or oligopeptide residue of G is substituted with $-L-M$;

L is selected from the group consisting of

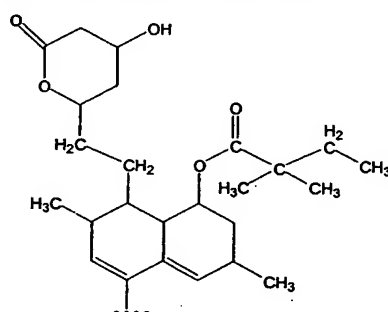


wherein Me is methyl;

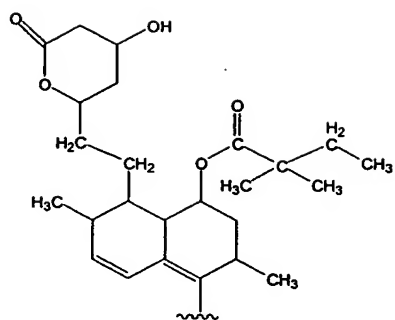
M is selected from the group of moieties consisting of



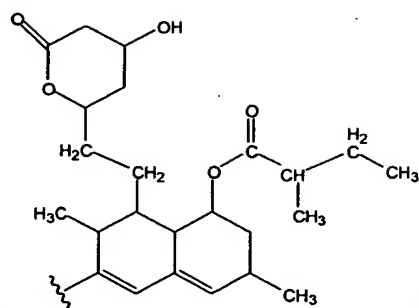
(M11),



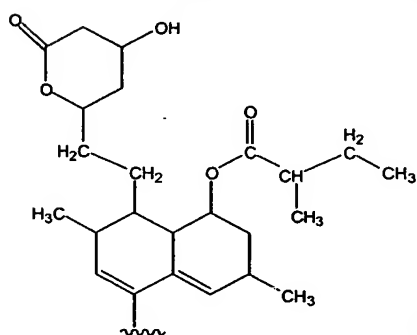
(M12),



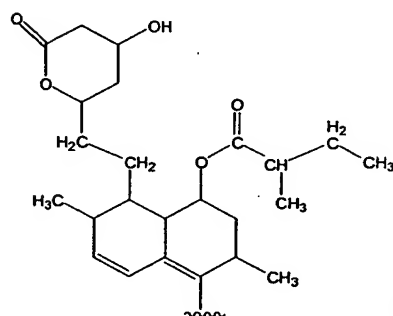
(M13),



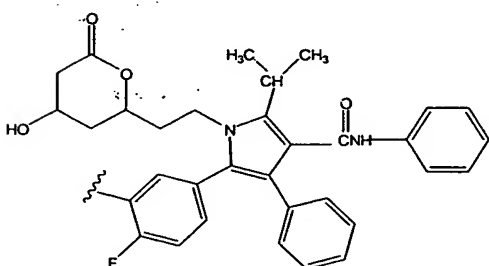
(M14),



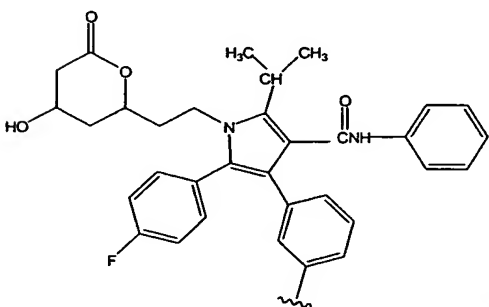
(M15),



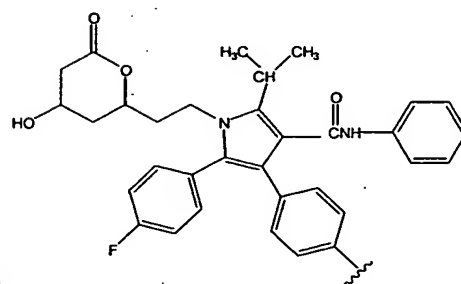
(M16),



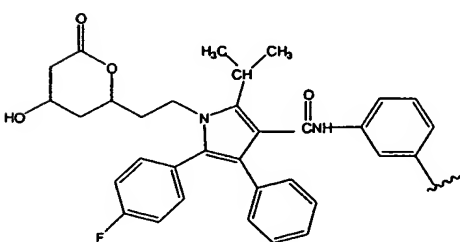
(M17),



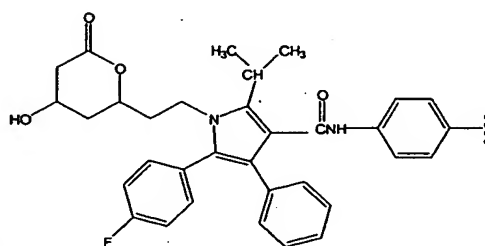
(M19),



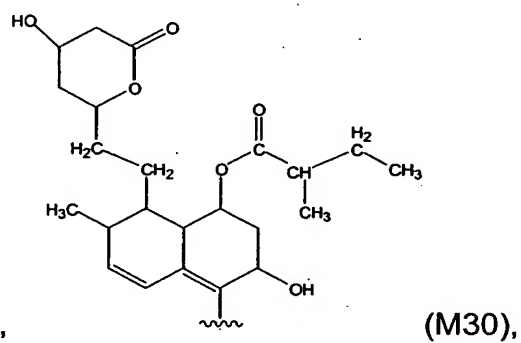
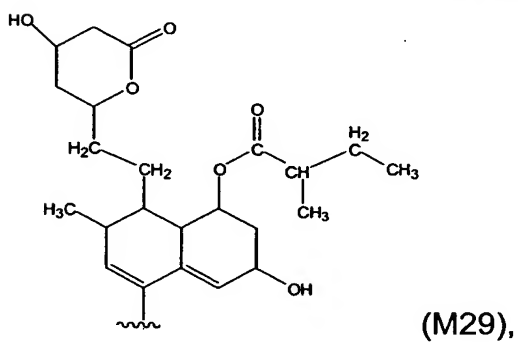
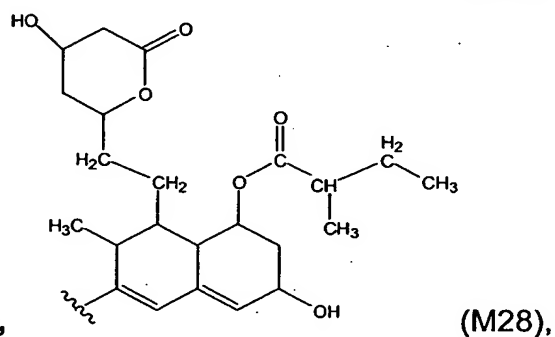
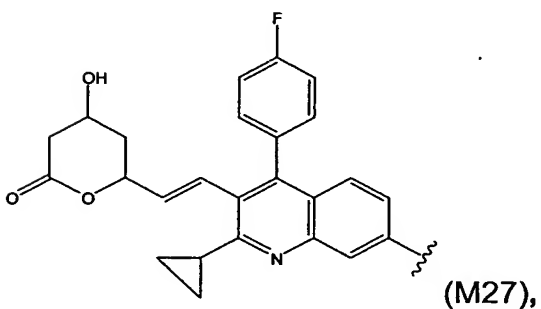
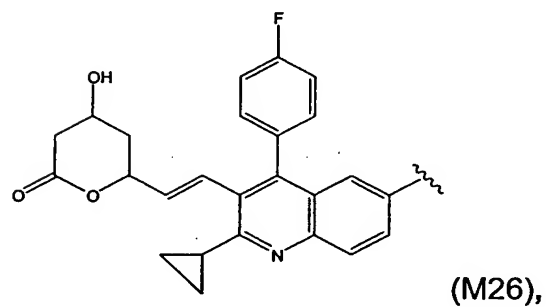
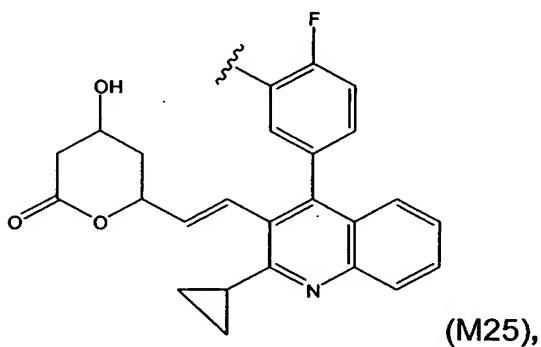
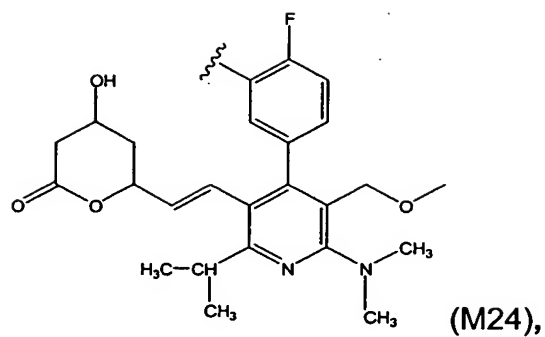
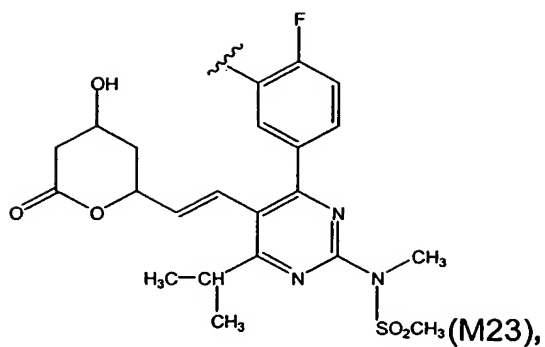
(M20),

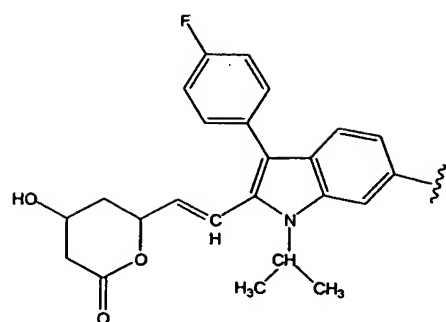


(M21),

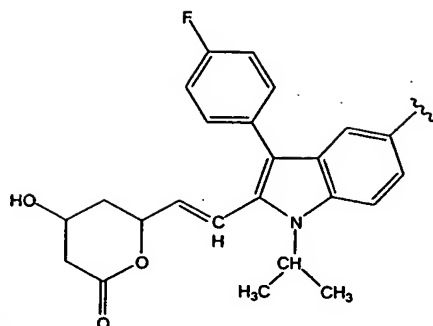


(M22),

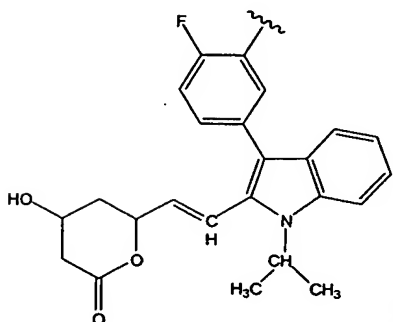




(M31),



(M32), and



(M33)

and pharmaceutically acceptable salts of moieties (M1) to (M33);

R^2 and R^3 can be the same or different and each is independently selected from the group consisting of hydrogen, alkyl and aryl;

R^6 , R^7 and R^8 can be the same or different and each is independently selected from the group consisting of hydrogen, alkyl, aryl and arylalkyl; and

each R^9 is independently alkyl, aryl or arylalkyl.

each R^{10} is independently H or alkyl;

q is 0 or 1;

r is 0 or 1;

m, n and p are independently selected from 0, 1, 2, 3 or 4; provided that at least one of q and r is 1, and the sum of m, n, p, q and r is 1, 2, 3, 4, 5 or 6; and

provided that when p is 0 and r is 1, the sum of m, q and n is 1, 2, 3, 4 or 5;

x8 is 1 to 10;

x9 is 1 to 10;

x10 is 1 to 10;

x11 is 1 to 10;

x12 is 1 to 10;

x13 is 1 to 10;

x14 is 1 to 10;
x15 is 1 to 10; and
x16 is 1 to 10;
x17 is 1 to 10; and
5 x18 is 1 to 10;

with the proviso that at least one of Q¹, Q², Q³, Q⁴ and Q⁵ is -L-M or the sugar residue, disugar residue, trisugar residue, tetrasugar residue, sugar acid, amino sugar, amino acid residue or oligopeptide residue of G is substituted with -L-M.

10

19. The compound according to claim 18, wherein m, n and r are each zero, q is 1, p is 2, and Z is -CH₂-.

20. The compound according to claim 18, wherein m, n and r are each zero,
15 q is 1, p is 2, and Z is -CH₂-, Q¹ is -OR⁶, wherein R⁶ is hydrogen and Q⁵ is fluorine.

21. The compound according to claim 18, wherein R² and R³ are each preferably hydrogen.

20 22. The compound according to claim 18, wherein Q¹ and Q² are each independently selected from the group consisting of -OR⁶, -O(CO)R⁶, -O(CO)OR⁹ and -O(CO)NR⁶R⁷.

25

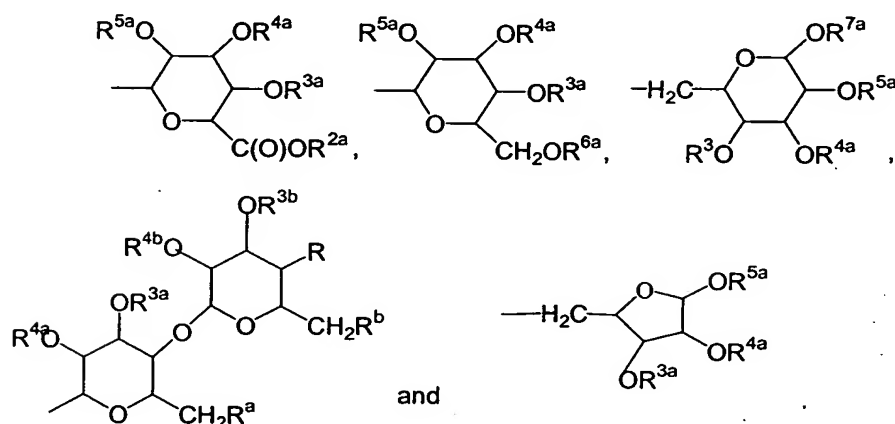
23. The compound according to claim 18, wherein Q⁴ is halo or -OR⁶.

24. The compound according to claim 18, wherein Q¹ is -OR⁶ wherein R⁶ is H.

25. The compound according to claim 18, wherein Q¹, Q², Q³, Q⁴ or Q⁵ is
30 -L-M.

26. The compound according to claim 18, wherein Q^1 , Q^2 , Q^3 , Q^4 or Q^5 is $-(C_0-C_{30} \text{ alkylene})-G$.

27. The compound according to claim 18, wherein G is selected from the group consisting of:



wherein R, R^a and R^b can be the same or different and each is independently selected from the group consisting of H, -OH, halo, -NH₂, azido, alkoxyalkoxy or -W- R^{30} ;

W is independently selected from the group consisting of -NH-C(O)-, -O-C(O)-, -O-C(O)-N(R^{31})-, -NH-C(O)-N(R^{31})- and -O-C(S)-N(R^{31})-;

R^{2a} and R^{6a} can be the same or different and each is independently selected from the group consisting of H, alkyl, acetyl, aryl and arylalkyl;

R^{3a} , R^{4a} , R^{5a} , R^{7a} , R^{3b} and R^{4b} can be the same or different and each is independently selected from the group consisting of H, alkyl, acetyl, arylalkyl, -C(O)alkyl and -C(O)aryl;

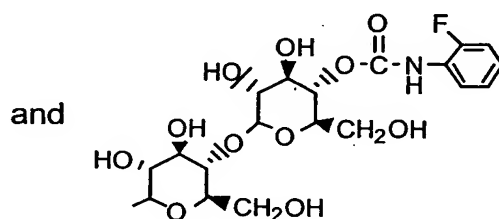
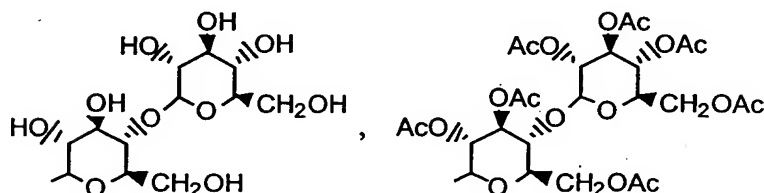
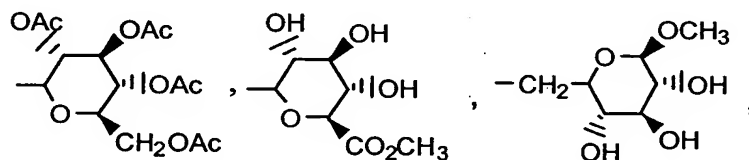
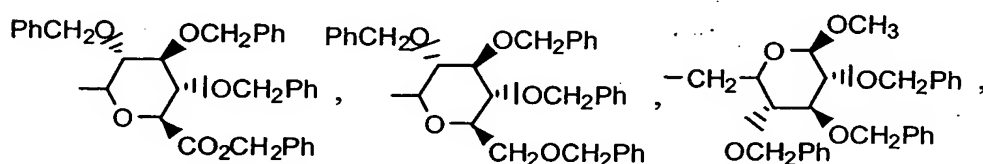
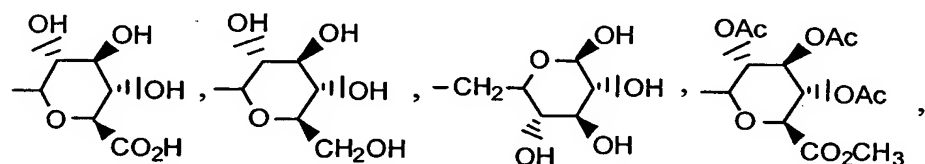
R^{30} is independently selected from the group consisting of R^{32} -substituted T, R^{32} -substituted-T-alkyl, R^{32} -substituted-alkenyl, R^{32} -substituted-alkyl, R^{32} -substituted-cycloalkyl and R^{32} -substituted-cycloalkylalkyl;

R^{31} is independently selected from the group consisting of H and alkyl;

T is independently selected from the group consisting of phenyl, furyl, thienyl, pyrrolyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, benzothiazolyl, thiadiazolyl, pyrazolyl, imidazolyl and pyridyl;

R³² is 1 to 3 substituents which are each independently selected from the group consisting of H, halo, alkyl, -OH, phenoxy, -CF₃, -NO₂, alkoxy, methylenedioxy, oxo, alkylsulfanyl, alkylsulfinyl, alkylsulfonyl, -N(CH₃)₂, -C(O)-NHalkyl, -C(O)-N(alkyl)₂, -C(O)-alkyl, -C(O)-alkoxy and pyrrolidinylcarbonyl; or R³² is a covalent bond and R³¹, the nitrogen to which it is attached and R³² form a pyrrolidinyl, piperidinyl, N-methyl-piperazinyl, indolinyl or morpholinyl group, or a alkoxy carbonyl-substituted pyrrolidinyl, piperidinyl, N-methylpiperazinyl, indolinyl or morpholinyl group.

28. The compound according to claim 27, wherein G is selected from:



wherein Ac is acetyl and Ph is phenyl.

29. The compound according to claim 18, wherein optionally one or more carbon atoms of the $-(C_0-C_{30} \text{ alkylene})-$ radical of Q^1 , Q^2 , Q^3 , Q^4 and Q^5 is
5 independently replaced by $-O-$.

30. A pharmaceutical composition for the treatment or prevention of a vascular condition, diabetes, obesity, stroke, lowering a concentration of a sterol or stanol in plasma of a mammal, preventing demyelination or treating Alzheimer's
10 disease and/or regulating levels of amyloid β peptides in a subject comprising a therapeutically effective amount of a compound of claim 18 in a pharmaceutically acceptable carrier.

31. A pharmaceutical composition comprising a cholesterol-lowering
15 effective amount of a compound of claim 18 in a pharmaceutically acceptable carrier.

32. A method of treating or preventing a vascular condition, diabetes, obesity, stroke, lowering a concentration of a sterol or stanol in plasma of a mammal,
20 preventing demyelination or treating Alzheimer's disease or regulating a level of an amyloid β peptide in a subject comprising the step of administering to a subject in need of such treatment an effective amount of a compound of claim 18.

33. A method of lowering cholesterol level in plasma of a mammal in need of
25 such treatment comprising administering a pharmaceutically effective amount of the compound of claim 18.